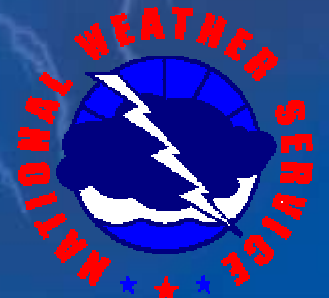


# National Weather Service Louisville Innovation

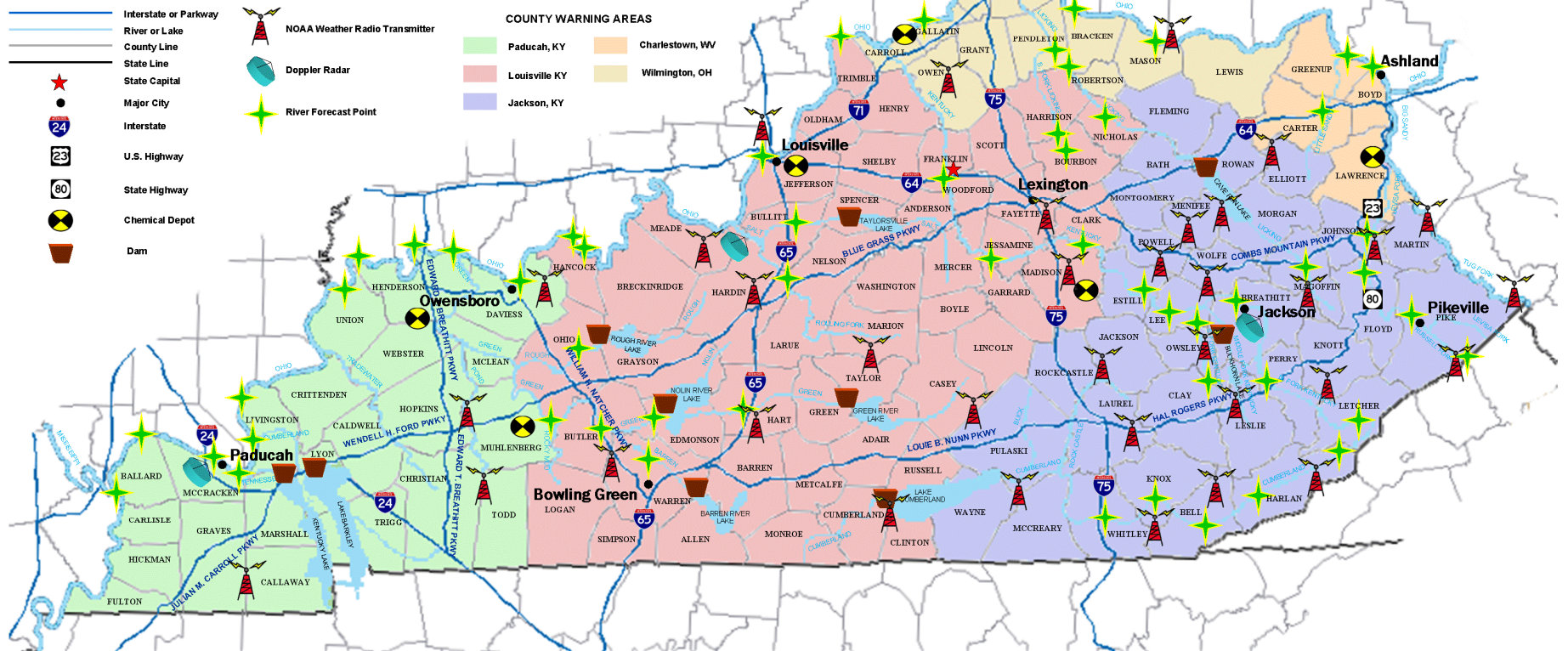


John Gordon,  
Louisville 350 member  
Rotary Club  
Keeping Service in Weather



# KENTUCKY!

## Kentucky



Keeping Service in Weather

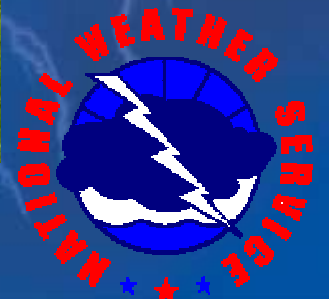




# Sub Regional Summit



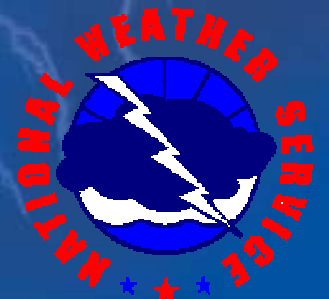
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# Congressional Visits



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# Improving Communication with Media

National Weather Service Louisville & Weathercasters Lexington, Ky



Keeping Service in Weather





# NEW NWR POSTER

**NOAA Weather Radio All Hazards**

**What is NOAA Weather Radio?**

NOAA Weather Radio (NWR) broadcasts National Weather Service (NWS) watches, warnings, forecasts, and non-weather hazards 24 hours a day, seven days a week. Over 500 transmitters cover 50 states, adjacent coastal waters, Puerto Rico, the Virgin Islands, and U.S. Pacific Territories. NOAA Weather Radios operate on seven different frequencies ranging from 162.400-162.550 MHz and have a signal reception that typically extends to a 40 mile radius from the transmitter.

With the help of the Emergency Alert System (EAS), NOAA Weather Radio is an all hazards radio network, making it the most comprehensive weather and emergency information available. While NOAA Weather Radio coverage extends across 82-95 percent of the nation, only 5-10 percent of Americans actually own a weather radio. The NWS encourages every American citizen to own a NWR receiver.

**Why is NOAA Weather Radio Important?**

NOAA Weather Radio notifies about 90% of your family of dangerous weather situations, AMBER alerts, natural and technological hazards, and national emergencies, along with weather forecasts and advisories. In an emergency, NWS forecasts important weather forecasts and sends a special alarm tone, which gives you immediate information about a potentially life-threatening situation.

**Where should I keep my NOAA Weather Radio?**

It is a good idea to keep a NWR receiver near a window in your home and either for better reception, use the one available while outdoors (bathing, camping, golfing, etc.) or traveling in order to be warned if inclement weather strikes. Keeping a portable NOAA Weather Radio with your sports equipment is also a good idea for changing weather situations.

**What is Specific Area Message Encoding?**

Look for NWR receivers which have the Specific Area Message Encoding (SAME) feature. This allows you to program your weather radio for the county you live in and any other counties you would like warnings for. Each state and county has its own specific code to program your radio. If you need help programming your NWR or locating counties codes, contact your local NWS office.

**What features come with NOAA Weather Radio?**

NOAA Weather Radio receivers can come with several features to help you and your loved ones safe. Features include a tone alarm, SAME technology, automatic charging of events, battery backup, and an external antenna jack.

Additional weather radio features can be purchased for the (that are already included). The weather radio alarm tone can be hooked up to attention getting devices such as strobe lights, pager, bed shakers, personal computers, cell text pagers. Some NWR receivers even come with an AM/FM radio.

**Where can I purchase a NOAA Weather Radio?**

NOAA Weather Radio receivers can be purchased at electronics stores, retail outlets, department and sporting goods stores, boat and marine stores, or via the Internet. There are several companies which manufacture NWR. It is recommended you look for the brand which carries the Public Alert logo. The NWS does not endorse a certain brand of manufacturing company over another, but we do recommend every American citizen have a NWR receiver.

**How much do NOAA Weather Radio cost?**

Prices for NWR receivers range from \$20 to over \$100 depending on what brand and model you purchase. Higher quality weather radios cost more, but most radios cost no more than a pair of new shoes.

**Manufacturers of NOAA Weather Radio**

Midland Radio Corporation, First Alert, Oregon Scientific, Raccon Electronics Inc., Radio Shack, WeatherOne, etc.

**Protect Your Family, Save Your Life!**

### 11: NOAA Weather Radio?

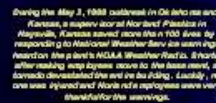
With the help of the Emergency Alert System (EAS), NOAA Weather Radio is an all-hazard radio network, making it the most comprehensive weather and emergency information available. While NOAA Weather Radio coverage extends across 95-99 percent of the nation, only 5-10 percent of Americans actually own a weather radio. The NWS encourages every American citizen to own a NWR receiver.



Jeffrey M. Van Wert, PhD

President George W. Bush  
February 14, 2002

NOAA Weather Radio notifies alert you and your family of dangerous weather situations, AMBER alerts, natural and technological hazards, and national emergencies, along with weather forecasts and statements. In an emergency, NWS forecasts interrupt routine broadcasts and send a special alert tone, which puts you in immediate information about a potentially life-threatening situation.



Steve Carlson  
Hemlock County Emergency Manager, Hemlock, K.S.

It is a good idea to keep a NOAA receiver near a window in your home and office for better reception, and have one available while outdoors (boating, camping, golfing, etc.) or traveling in order to be warned if inclement weather strikes. Keeping a portable NOAA Weather Radio with your sports equipment is also a good idea for changing weather situations.



Page 8, However, Ad

<sup>a</sup>Over 20 miles of drive nonswerving allowed us to exclude our severe weather safety pilot, which in turn saved about a red per cent in gas too.

William Tomic, *Principes /*  
Charles F. Jones on the monetary side, *Evidence*, W

Look for MWR modules which have the Specific Area Message Encoding (SAME) feature. This allows you to program your weather radio for the county you live in and any other counties you would like warnings for. Each state and county has its own specific code to program your radio. If you need help programming your MWR or locating counties codes, contact your local MWS office.



Additional weather radio features can be purchased for the deaf and visually-impaired. The weather radio alarm tone can be hooked up to attention getting devices such as strobe lights, pagers, bed shakers, personal computers, and text pagers. Some MWV receivers even come with an AM/FM radio.

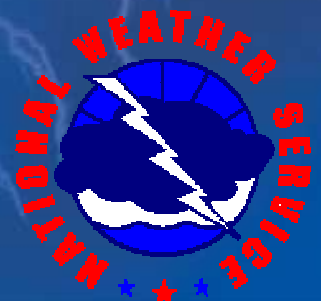
NOAA Weather Radio receivers can be purchased at electronic stores, retail outlets, department and sporting goods stores, boating and marine stores, or via the Internet. There are several companies which manufacture MWR. It is recommended you look for the brand which carries the Public Alert logo. The MWR does not endorse a certain brand of manufacturing company over another, but we do recommend every American citizen have a MWR receiver.



Prices for MAWR sneakers range from \$30 to over \$100 depending on what brand and model you purchase. Higher quality weather shoes cost more, but most models cost no more than a pair of new shoes.



Midland Radio Corporation, First Alert, Oregon Scientific, Sanyo Electronics Inc., Radio Shack, WeatherQon, etc.





# Road Department Initiative

Please  
help us  
receive  
more  
reports!

**National Weather Service**  
**Needs Your Help!**

 **Keeping Kentucky Roads Safe**  
<http://www.crh.noaa.gov/lmk>

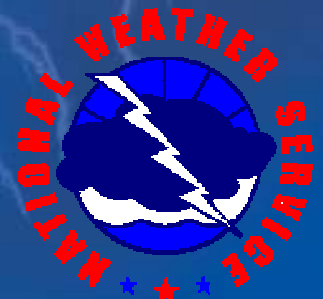
Please contact us for:

- Flooding of Any Roads
- Downed Trees & Power Lines
- Storm Debris & Wind Damage
- Hail
- Snow, Sleet, & Ice
- Black Ice
- Dense Fog
- Streams Approaching the Bottom of Bridges


We are available 24-7, 365 days a year. Call  
us anytime day or night to report damage at  
**1-800-292-5588**  
*"Working Together to Save Lives"*

Keeping Service in Weather





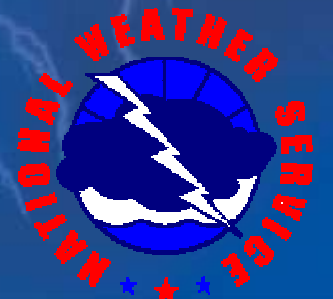
# Tornado Machine







Keeping Service in Weather





# LMK SUMMER STEP & Student Volunteer



## A CHILD'S DEATH CHAMBER

- 39% of children's death that occurred in a car was caused by a parent who simply forgot the child.
- 20% occur because a parent just thinks that they are leaving the child shortly and it would be ok for the child.

*Lets do the Math!*

- 59% of children who were left alone by a parent, in a vehicle and died, could have been prevented.
- 27% of cases were children who play in an unattended vehicle and lock themselves inside accidentally.

SFGate.com photo by July 8, 2005

## Hypothermia

- Condition where the core body temperature decreases to a level at which normal muscle and brain functions are impaired.
- There are many factors that can influence susceptibility to hypothermia, including prolonged exposure to cold temperatures.
- Hypothermia may cause:
  - Drowsiness
  - Unconsciousness
  - Lower heart and breathing rates
  - Severe hypothermia may cause death
- For those who survive hypothermia, one could suffer from lifelong kidney, liver, and pancreas problems.

Serving Louisville Since 1871



Keeping Service in Weather

• Weather Preparedness Brochure

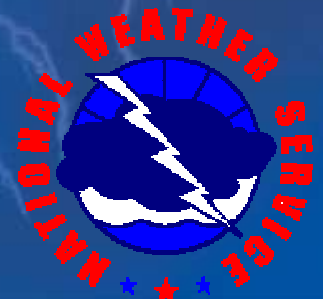
• New Heat ppt

• New Cold ppt

• Upcoming:

- 4/3/74 ppt

- 1937/1997 Flood ppt





# In Depth Tornado Database



NOAA's National Weather Service Weather Forecast Office

Louisville, KY

[weather.gov](http://weather.gov)



[Home](#) [Site Map](#) [News](#) [Organization](#)

Search for:  ☒ MWS ☐ All NOAA

Local forecast by  
"City, St" or Zip Code

City, St

**Current Hazards**

Watches / Warnings

Outlooks

U.S. Hazards

Hurricane Info

Safety Rules

Submit Report

**Current Conditions**

Observations

Satellite Images

Rivers & Lakes AHPS

Precip Estimate

Snow Cover

**Radar Imagery**

Local Radar

Nationwide

**Forecasts**

Local Area

Aviation

Fire Weather

Graphical

Interactive

Weather Radio

Forecast Discussion

Wx Planner

Winter Weather

Non Precipitation

**Rivers / Hydrology**

AHPS / River Info

Flash Floods

**Climate**

Local

National

More...

**Weather Safety**

StormReady

Preparedness

## *Tornadoes* of central Kentucky and south central Indiana

Description of the project

Complete List of Known  
Tornadoes

Statistics

Important Notes on  
Tornado Research

Recent Damage Surveys

Tornado Track Maps,  
Organized by:

-- County

-- Year

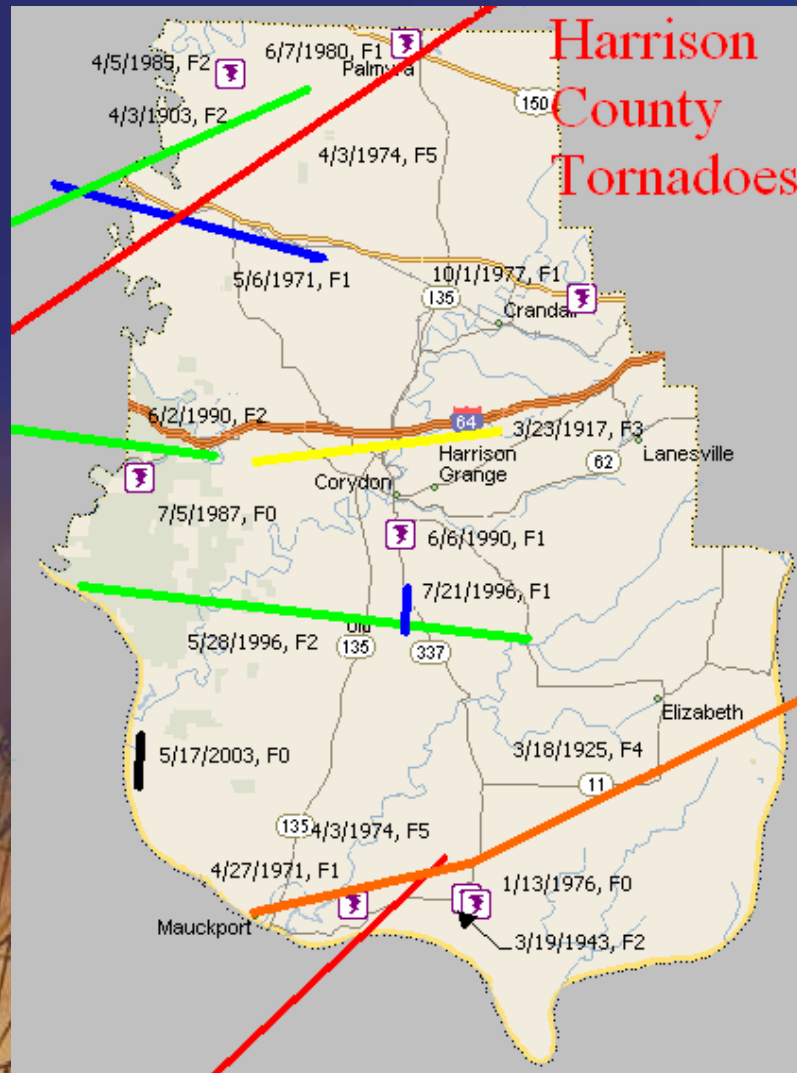
-- Season

-- Month

-- Date

[http://weather.gov/louisville/?n=tornado\\_climatology](http://weather.gov/louisville/?n=tornado_climatology)

# MAPS! – by County



## April 3, 1903

Counties: Crawford, Harrison IN

F-scale: **F2**

Deaths: 1

Injuries: 6

Path width:

Path length: 16 miles

Time: 1:00pm

Narrative: Moved east-northeast from near Grantsburg to northwest of Hancock. One man was killed, and his son may have died as two homes were destroyed three miles southeast of English. The tornado was said to have been "thrashing about like the tail of a mad beast".

## March 23, 1917

Counties: Harrison IN

F-scale: **F3**

Deaths: 0

Injuries: 20

Path width: 600 yards

Path length: 7 miles

Time: 3:30pm

Narrative: This large tornado passed one mile north of Corydon as it moved east across central Harrison County. Many farm buildings were damaged, and one farm was almost completely blown away. Its occupant was found in a ditch 200 feet from the foundation, unconscious, critically injured, and holding her unharmed baby. Note: it's interesting that *Significant Tornadoes* lists this tornado as having happened **after** the New Albany tornado, since the storms on this day were moving from west to east but Harrison County is west of New Albany. One researcher, Gary Purlee, has suggested that the Harrison County and New Albany tornadoes were one and the same, with the initial touchdown at 2:50pm.

## March 18, 1925

Counties: Harrison IN, Jefferson KY

F-scale: **F4**

Deaths: 4

Injuries: 60

Path width: 1200 yards

Path length: 18 miles

Time: 5:15pm

Narrative: Moved to the east-northeast from Mauckport to just south of Louisville. Up to a mile wide, this very intense tornado swept away entire farms as it passed one mile north of Laconia and two miles south of Elizabeth. The four deaths were in two separate Indiana farm homes.

## March 19, 1943

Counties: Harrison, IN

F-scale: **F2**

Deaths: 0

Injuries: 2

Path width: 400 yards

Path length:

Time: 2:15pm

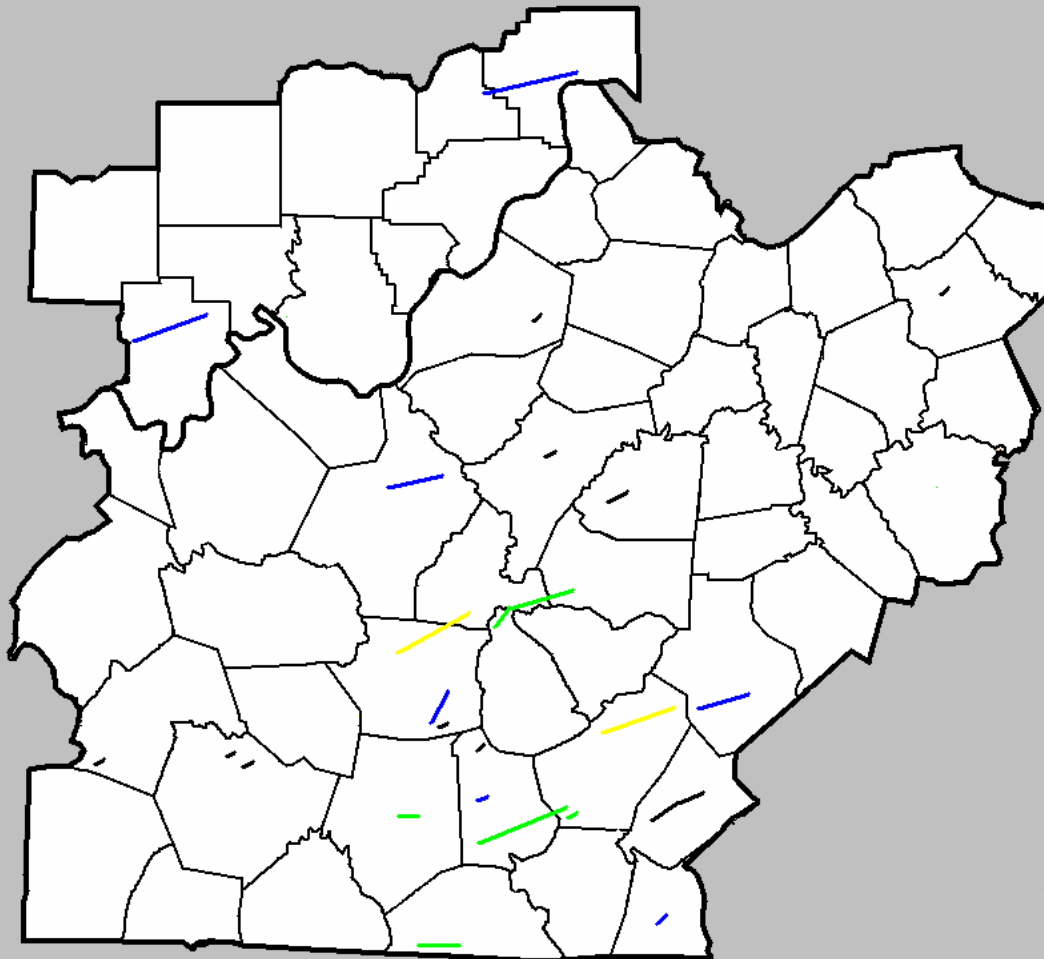
Narrative: Moved northeast at Laconia, ripping the roof and a wall off the Laconia school. Only two of the 150 students were injured.

[http://weather.gov/louisville/?n=tornado\\_climatology\\_harrison\\_in](http://weather.gov/louisville/?n=tornado_climatology_harrison_in)



# MAPS! – by Year

1997



## January 4, 1997

Counties: Clinton

F-scale: **F1**

Deaths:

Injuries:

Path width:

Path length:

Time: 10:55pm

Notes: Storm Data mentions damage on KY 1590 half a mile west of Albany.

## January 24, 1997

Counties: Barren

F-scale: **F2**

Deaths:

Injuries:

Path width:

Path length:

Time: 5:40pm

Noted discrepancies: Storm Data lists this and the following tornado as one.

Notes: Storm Data says this tornado touched down south of Glasgow and did damage along KY 90.

## January 24, 1997

Counties: Metcalfe

F-scale: **F1**

Deaths:

Injuries:

Path width:

Path length:

Time: 5:50pm

Noted discrepancies: Storm Data lists this and the previous tornado as one.

Notes: Storm Data says this tornado lifted at Wisdom.

## March 1, 1997

Counties: Warren

F-scale: **F0**

Deaths:

Injuries:

Path width:

Path length:

Time: 4:26am

Notes: Storm Data puts this tornado on Garrett Hollow Road.

[http://weather.gov/louisville/?n=tornado\\_years\\_table](http://weather.gov/louisville/?n=tornado_years_table)

Keeping Louisville Weather



# MAPS! – by Season

Click on the links below to get a map of all tornadoes that have been recorded in each season, plus descriptions of each tornado.

## **Spring**

(March 1 - May 31)

## **Summer**

(June 1 - August 31)

## **Autumn**

(September 1 - November 30)

## **Winter**

(December 1 - February 29)



[http://www.crh.noaa.gov/lmk/?n=tornado\\_seasons\\_table](http://www.crh.noaa.gov/lmk/?n=tornado_seasons_table)

Keeping Service in Weather





# Shareholders Report

NOAA's National Weather Service Weather Forecast Office  
Louisville, KY

## 2005 Shareholders' Report

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**National Weather Service**

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**Louisville, Kentucky**


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*I'm a "Shareholder?"*

Welcome to the first addition of the Louisville Shareholders Report. You are a shareholder in the National Weather Service (NWS)! As a taxpaying citizen of this country, you have invested in the Federal government, of which the NWS is a part. The NWS was appropriated \$783,000,000 for Fiscal Year 2005. That equates to an investment of \$2.63 per person. As the Meteorologist In Charge of your investment, I feel it is my duty to report to you how your "holdings" have fared.

This report details activities of the Louisville Weather Forecast Office (WFO) and events in its county warning area (CWA) during 2005. Since you are both a shareholder and a customer, I hope you find our activities have demonstrated the sort of stewardship you expect from your public servants. As always, I welcome your comments and suggestions as to how the NWS can be an even better investment for you.

— John Gordon, Meteorologist-in-Charge (MIC)



A double-rainbow photographed from in front of Louisville's National Weather Service Forecast Office.

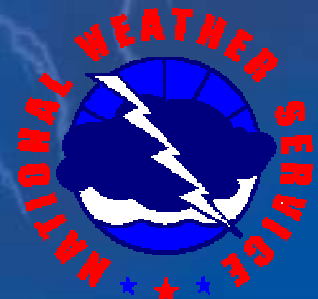
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**National Weather Service, Louisville, Kentucky**

6201 Theiler Lane  
Louisville, Kentucky 40229-1476  
Phone: 502-969-8842  
Fax: 502-968-5663  
E-mail: [w-lmk.webmaster@noaa.gov](mailto:w-lmk.webmaster@noaa.gov)  
Web: <http://weather.gov/louisville>

**Meteorologist-in-Charge: John Gordon**  
Warning Coordination Meteorologist:  
Norm Reitmeyer  
Data Acquisition Program Manager:  
Larry Dattilo  
Science and Operations Officer:  
Ted Funk

Keeping Service in Weather



# Questions, Comments, Suggestions?

